

In the Claims:

The status of the claims is as follows:

1. (Previously presented) A display device employing a field-sequential method, comprising:

a light source having a plurality of colors of emitted light;

a light emission switching unit for sequentially switching the plurality of colors of emitted light of said light source within one frame;

a light switching element for controlling an intensity of light from said light source for display;

a control unit for controlling synchronization of a light-emission timing of each color of emitted light of said light source and a switching of said light switching element; and

a frame number changing unit for changing a frame number per unit time; wherein

said control unit controls the synchronization of the light emission timing and the switching in accordance with the frame number changed by said frame number changing unit.

2. (Original) The display device of claim 1, wherein
said frame number changing unit comprises a discrimination circuit for
judging whether display data is motion picture data or still picture data, and a changing
circuit for changing the frame number per unit time based on a result of the judgement by
said discrimination circuit.

3. (Original) The display device of claim 2, wherein
when the display data is motion picture data, the frame number per unit
time is increased compared with the frame number for still picture data.

4. (Original) The display device of claim 1, wherein
said frame number changing unit comprises a detector for detecting a
temperature of said light switching element, and a changing circuit for changing the frame
number per unit time based on a result of the detection by said detector.

5. (Original) The display device of claim 4, wherein
when the temperature of said light switching element is higher than a
predetermined temperature, the frame number per unit time is increased compared with the
frame number for a temperature lower than said predetermined temperature.

6. (Original) The display device of claim 1, wherein
said light switching element is a liquid crystal display element.
7. (Original) The display device of claim 2, wherein
said light switching element is a liquid crystal display element.
8. (Original) The display device of claim 4, wherein
said light switching element is a liquid crystal display element.
9. (Original) The display device of claim 6, wherein
said liquid crystal display element includes a liquid crystal material
having spontaneous polarization.
10. (Original) The display device of claim 7, wherein
said liquid crystal display element includes a liquid crystal material
having spontaneous polarization.
11. (Original) The display device of claim 8, wherein
said liquid crystal display element includes a liquid crystal material
having spontaneous polarization.

12. (Original) The display device of claim 6, wherein
said liquid crystal display element comprises an active element
corresponding to each of a plurality of liquid crystal pixels.

13. (Original) The display device of claim 7, wherein
said liquid crystal display element comprises an active element
corresponding to each of a plurality of liquid crystal pixels.

14. (Original) The display device of claim 8, wherein
said liquid crystal display element comprises an active element
corresponding to each of a plurality of liquid crystal pixels.

15. (Original) The display device of claim 9, wherein
said liquid crystal display element comprises an active element
corresponding to each of a plurality of liquid crystal pixels.

16. (Original) The display device of claim 10, wherein
said liquid crystal display element comprises an active element
corresponding to each of a plurality of liquid crystal pixels.

17. (Original) The display device of claim 11, wherein
said liquid crystal display element comprises an active element
corresponding to each of a plurality of liquid crystal pixels.

18. (Previously presented) A display device employing a field-sequential method for displaying a color image by sequentially switching a plurality of colors of emitted light of a light source within one frame and by synchronizing a light-emission timing of each color of emitted light with a switching of a light switching element for controlling an intensity of light for display, comprising:

a changing unit for changing a frame number per unit time; and
a control unit for controlling the synchronization of the light-emission timing and the switching in accordance with the frame number changed by said changing unit.

19. (Previously presented) A field-sequential display method for displaying a color image by sequentially switching a plurality of colors of emitted light of a light source within one frame and by synchronizing a light-emission timing of each color of emitted light with a switching of a light switching element for controlling an intensity of light from said light source for display, comprising:

judging whether image data is motion picture data or still picture data;
and
changing a frame number per unit time based on a result of the judgement; and
controlling the synchronization of the light-emission timing and the switching in accordance with the changed frame number.

20. (Previously presented) A field-sequential display method for displaying a color image by sequentially switching a plurality of colors of emitted light of a light source within one frame and by synchronizing a light-emission timing of each color of emitted light with a switching of a light switching element for controlling an intensity of light from said light source for display, comprising:

detecting a temperature of said light switching element; and
changing a frame number per unit time based on a result of the detection; and
controlling the synchronization of the light-emission timing and the switching in accordance with the changed frame number.